Abstract of the Disclosure

An improved direct liquid-feed fuel cell having a solid membrane electrolyte for electrochemical reactions of an organic fuel. Improvements in interfacing of the catalyst layer and the membrane and activating catalyst materials are disclosed.

 $\frac{e^{-\varepsilon_{i,k}}-e^{-\varepsilon_{i,k}}}{e^{-\varepsilon_{i,k}}}=\frac{e^{-\varepsilon_{i,k}}-e^{-\varepsilon_{i,k}}}{e^{-\varepsilon_{i,k}}}=e^{-\varepsilon_{i,k}}$

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